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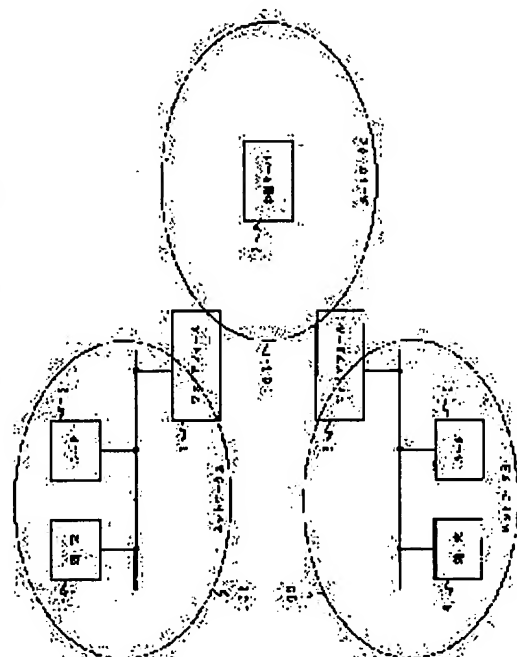
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## (54) VIRTUAL NETWORK AND VIRTUAL NETWORK CONNECTION SYSTEM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a virtual network that can simply be built up by interconnecting existing private networks without the need for a high introduction cost.

**SOLUTION:** A relay server 7 is installed in an external network C 103, and the private network A 101 (B 102) is respectively provided with a firewall 3 (6) by which only a connection from the inside of its own network to the relay server 7 on the external network C 103 is permitted. A router 2 (5) placed in the private network A 101 (B 102) respectively informs the relay server 7 about its relay destination and the relay server 7 respectively relays data from the router 2 to the router 5 and data from the router 5 to the router 2 according to the relay destination.



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